

IN THE CLAIMS:

1.-47. (Cancelled)

48. (Currently Amended) A recording medium having video data, a plurality of programs, and a table recorded thereon, wherein

~~each of the plurality of programs shows a playback control procedure of the video data,~~

5 one of the plurality of programs includes a command for branching, which instructs a playback device to perform branching based on a title number,

the table includes (1) program identification information of each of the plurality of programs, [[and]] (2) mode information corresponding to the program identification information showing ~~that each~~ whether each of the plurality of programs belongs to ~~one of a~~ movie-mode or [[and]] an enhanced-mode, and (3) title numbers corresponding to the program identification information and the mode information, and

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the enhanced-mode is a mode for causing a virtual machine to execute one of the plurality of programs belonging to the enhanced-mode.

~~one of the plurality of programs includes a command for branching, and~~

15 ~~the branching command specifies a branch destination using indirect referencing via the table.~~

49.- 58. (Cancelled)

59. (Currently Amended) A playback device relating to a recording medium having video data, a plurality of programs, and a table including indexes pertaining to the respective plurality of programs recorded thereon, comprising:

a plurality of modules operable to execute the respective plurality of programs;
5 ~~the plurality of modules including a module corresponding to a movie mode and a module~~
~~corresponding to an enhanced mode; and~~

a manager operable to control branching between the plurality of programs,
wherein

one of the plurality of modules is a platform part of a virtual machine,

10 the table comprises (a) combinations of program identification information and
mode information and (b) title numbers corresponding to the combinations,

the program identification information indicates each of the programs,

the mode information shows whether the program indicated by the mode
information belongs to a movie mode or an enhanced mode,

15 the enhanced mode is an operation mode for causing a Java™ virtual machine to
execute the program, and

when a command for branching is executed by any of the plurality of modules,
the manager (i) decides a program to be activated by referring to program identification
information corresponding to a title number included in the command for branching, and (ii)
20 decides whether to cause the platform part of the virtual machine that is one of the plurality of
modules to execute the program to be activated by referring to mode information corresponding
to the title number included in the command for branching.

~~the table information showing that each of the plurality of programs belongs to~~
~~either a movie mode or an enhanced mode;~~

25 ~~the branching is described, for each of the plurality of programs, using indirect
referencing via the table, and the manager decides, at a time of the branching, a module for
executing a program of a branch destination by referring to the table.~~

60-69. (Cancelled)

70. (Currently Amended) A playback method of a playback device relating to a
recording medium having video data, a plurality of programs, a table including indexes
pertaining to the respective programs recorded thereon, comprising the following steps executed
by the playback device:

5 a control step for controlling branching between the plurality of programs,
wherein

the table comprises (a) combinations of program identification information and
mode information and (b) title numbers corresponding to the combinations,

the program identification information indicates each of the programs,

10 the mode information shows whether the program indicated by the mode
information belongs to a movie mode or an enhanced mode,

when a command for branching in the programs is executed, the control step (i)
decides a program to be activated by referring to program identification information
corresponding to a title number included in the command for branching, and (ii) decides whether
15 to cause a platform part of a virtual machine to execute the program to be activated, by referring
to mode information corresponding to the title number included in the command for branching.

~~a plurality of execution steps in each of which one of the plurality of programs is executed, the plurality of execution steps including an execution step corresponding to a movie mode and an execution step corresponding to an enhanced mode; and~~

20 ~~a control step for controlling branching between the plurality of programs, wherein~~

~~the table is information showing that each of the plurality of programs belongs to either a movie mode or an enhanced mode, the branching is described, for each of the plurality of programs, using indirect referencing via the table, and~~

25 ~~the control step is a step for deciding, at a time of the branching, an execution step for executing a program of a branch destination by referring to the table.~~

71. (Currently Amended) A ~~recording~~ method of recording onto a recording medium, comprising the following steps:

 creating application data by using an authoring device; and

 recording the created application data on the recording medium, wherein

5 the application data includes video data, a plurality of programs, and a table,
 ~~each of the plurality of programs shows a playback control procedure of the video data,~~

~~the table includes (1) identification information of each of the plurality of programs, and (2) information showing that each of the plurality of programs belongs to either a~~
10 ~~movie mode or an enhanced mode,~~

 one of the plurality of programs includes a command for branching which instructs a playback device to perform branching based on a title number, [[and]]

the table comprises (a) combinations of program identification information and mode information and (b) title number corresponding to the combinations,

15 the program identification information indicates each of the programs,
the mode information shows whether the program indicated by the mode
information belongs to a movie mode or an enhanced mode, and
the enhanced mode is an operation mode for causing a Java™ virtual machine to
execute the program.

20 ~~the branching command specifies a branch destination using indirect referencing~~
~~via the table.~~

72. (New) A recording medium having video data, a plurality of programs, and a table recorded thereon, wherein

one of the plurality of programs includes a command for branching which instructs a playback device to perform branching based on a title number,

5 the table comprises (a) combinations of program identification information and mode information and (b) title numbers corresponding to the combinations,

the program identification information indicates each of the programs,

the mode information shows whether the program indicated by the mode information belongs to a movie mode or an enhanced mode, and

10 the enhanced mode is an operation mode for causing a Java™ virtual machine to execute the program.